Ridham Goyal

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Versatile Full Stack Developer proficient in crafting scalable web solutions with expertise across the MERN/Nest.js stack. Adept at advanced AI prompting, seamless API integrations, and delivering high-performance, user-centric applications. Known for strong problem-solving skills, attention to detail, effective communication, and a collaborative, team-oriented approach.

EDUCATION

Dayananda Sagar Academy of Technology and Management **Bangalore, Karnataka**
Bachelor of Engineering — SGPA: 7.9/10 *2022 – 2026*

TECHNICAL SKILLS

- **Languages**: C/C++, JavaScript, HTML/CSS, Java, Python

- **Frameworks**: React, Node.js, Express.js, Nest.js, Django, Angular

- **Developer Tools**: Git, Docker, Postman, VS Code, ThunderClient

- **Database Systems**: MongoDB, MySQL (via Sequelize ORM)

- **Performance Tools**: Redis (caching), RabbitMQ (asynchronous queues), Cron (Scheduling)

PROFESSIONAL EXPERIENCE

Software Development Intern **04/2025 – Present**
Akeo AS *Jaipur, Rajasthan*
- Architected resilient backend infrastructure using Node.js, enhancing scalability, concurrency, and modularity.
- Deployed robust caching mechanisms with Redis and asynchronous processing pipelines via RabbitMQ, augmenting system throughput and latency tolerance.
- Synthesized Sequelize ORM with MySQL to enable normalized, high-performance transactional queries in production-grade microservices.

PROJECTS

Energence — React.js, Django, TensorFlow, REST API, SQLite `GitHub` *04/2025*

- Designed and deployed an AI-powered energy platform forecasting renewable output using deep learning (MLP models).

- Developed Django REST APIs for real-time energy prediction and optimization of solar/wind parameters.

- Implemented a responsive UI using React and Tailwind CSS for interactive analytics visualization.

- Fostered team collaboration and agile delivery across frontend-backend integration.

TaskNexus — Angular, Nest.js, Redis, RabbitMQ, MongoDB, MySQL `GitHub` *02/2025 – 04/2025*

- Architected a full-stack banking platform with secure 2FA-enabled auth, modular Angular frontend, and scalable Nest.js microservices.

- Leveraged Redis for email caching and RabbitMQ for distributed task orchestration and async processing.

- Integrated cron-based schedulers to automate subscription billing and periodic banking operations.

ACHIEVEMENTS

- **First Place – Algorave Hackathon (DSATM, CSAI Dept.)**: Led the development of a high-performance algorithmic solution under strict time constraints, demonstrating advanced problem-solving skills and team collaboration.

- **First Place – Xenith Tech Fest (Web Development Hackathon)**: Awarded top honors for creating "Energence," an AI-powered sustainability platform noted for its innovation, functionality, and real-world impact.

- **Multiple Finalist Recognitions**: Secured top-three placements in intercollegiate coding and development challenges at Christ University, Ramaiah Institute, DSATM, and DSCE, highlighting strategic thinking, rapid execution, and collaborative delivery.